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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/733,038	12/11/2003	Theodore W. Houston	TI-35881	8454
23494	7590 05/10/2005		EXAMINER	
TEXAS INSTRUMENTS INCORPORATED			LE, THONG QUOC	
P O BOX 655474, M/S 3999 DALLAS, TX 75265		ART UNIT	PAPER NUMBER	
,			2827	

DATE MAILED: 05/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

Application No.	Applicant(s)				
10/733,038	HOUSTON, THEODORE W.				
Examiner	Art Unit				
Thong Q. Le	2827				
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'IS SET TO EXPIRE 3 MONTH(36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE date of this communication, even if timely filed	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Responsive to communication(s) filed on This action is FINAL. 2b)⊠ This action is non-final.					
 a) ☐ This action is FINAL. 2b) ☑ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
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epted or b) objected to by the I	Examiner.				
drawing(s) be held in abeyance. See					
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DETAILED ACTION

1. Amendment filed on 03/08/2005 has been entered.

2. Claims 1-10,12-21 are presented for examination.

Response to Arguments

3. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

4. Claim 16 is objected to because of the following informalities:

In Amendments to the Claims section, pages 5-6, the contents of claim 16 are repeated.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-4,7,9,12-15,18 are rejected under 35 U.S.C. 102(b) as being anticipated by Inaba (U.S. Patent No. 6,137,732).

Regarding claim 1, Inaba discloses an SRAM device (Figure 1), comprising:

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an SRAM array (3) coupled to row peripheral circuitry (4) by a word line and coupled to column peripheral circuitry (5) by bit lines; and

an array low voltage control circuitry (Figure 1, 2, Column 5, lines18-27) that provides an enhanced low operating voltage VEss to said SRAM array during at least a portion of an active mode thereof wherein said array low voltage control circuitry provides said enhanced low operation voltage VEss at a higher value than a low operation voltage Vss (Column 5, lines 18-26, Column 7, lines 30-48).

Regarding claims 2-4,7,9, Inaba discloses wherein said array low voltage control circuitry provides said enhanced low operating voltage VESS only during a WRITE operation (Column 7, lines 42-48), and wherein said array low voltage control circuitry provides said enhanced low operating voltage VESS during all of said active mode, and wherein said array low voltage control circuitry provides said enhanced low operating voltage VESS during all modes (Column 2, lines 1-6), and wherein said array low voltage control circuitry provides said enhanced low operating voltage VESS at a lower value during a READ operation than during a WRITE operation (Column 2, lines 1-6).

Regarding claims 12-15,18, the apparatus discussed above would perform the method claims 12-15,18.

Allowable Subject Matter

7. Claims 5-6,8,10,16-17,19-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Claims 5-6,8,10,16-17,19-21 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Inaba (U.S. Patent No. 6,137,732), and others, does not teach the claimed invention having an array low voltage control circuitry provides said enhanced low operating voltage VEss based on a factor selected from the group consisting of: a process corner, a transistor parameter, a mode of operation, and a value of a high supply voltage.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai V. Ho can be reached on 571-272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner

Art Unit 2827

Woyle

THONG LEF 출함MARY EXAMINER